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instant messenger user interface



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1 IM and usability: Instant messaging bots: accountability and peripheral participation
for textual user interfaces



Stephen Chan, Benjamin Hill, Sarita Yardi

November 2005 **Proceedings of the 2005 international ACM SIGGROUP conference on
Supporting group work GROUP '05**

Publisher: ACM Press

Full text available: [pdf\(164.18 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Over the last several years, studies of instant messaging have observed its increasing role in the workplace[1] and in social situations[2]. We propose that modifying applications to interact with users over Instant Messaging (as IM bots) extends the collaborative benefits of IM into new areas. As IM Bots participating in group chatrooms, applications that had previously been restricted to a single user command line are able to engage in many to many interactions between users and applications. ...

Keywords: collaboration, ethnomethodology, instant messaging, learning, legitimate peripheral participation, software agents, technomethodology

2 Session 4: Context awareness for group interaction support



Alois Ferscha, Clemens Holzmann, Stefan Oppl

October 2004 **Proceedings of the second international workshop on Mobility
management & wireless access protocols**

Publisher: ACM Press

Full text available: [pdf\(363.86 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, we present an implemented system for supporting group interaction in mobile distributed computing environments. First, an introduction to context computing and a motivation for using contextual information to facilitate group interaction is given. We then present the architecture of our system, which consists of two parts: a subsystem for location sensing that acquires information about the location of users as well as spatial proximities between them, and one for the actual conte ...

Keywords: context awareness, group interaction, location sensing, sensor fusion

3 Towards a general purpose user interface for service-oriented context-aware
applications





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dynamic user interface in a network



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1 [Interface and data architecture for query preview in networked information systems](#)



Catherine Plaisant, Ben Shneiderman, Khoa Doan, Tom Bruns

July 1999 **ACM Transactions on Information Systems (TOIS)**, Volume 17 Issue 3

Publisher: ACM Press

Full text available: pdf(1.06 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

There are numerous problems associated with formulating queries on networked information systems. These include increased data volume and complexity, accompanied by slow network access. This article proposes a new approach to a network query user interfaces that consists of two phases: query preview and query refinement. This new approach is based on the concepts of dynamic queries and query previews, which guides users in rapidly and dynamically eliminating undesired records, reducing the ...

Keywords: EOSDIS, direct manipulation, dynamic query, graphical user interface, query preview, query refinement, science data

2 [Dynamic hypertext and knowledge agent systems for multimedia information networks](#)



Yoshitaka Shibata, Michiaki Katsumoto

December 1993 **Proceedings of the fifth ACM conference on Hypertext**

Publisher: ACM Press

Full text available: pdf(1.33 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: agent, human interface, hypermedia, knowledge-base, multimedia

3 [I/O: miNI: reducing network interface memory requirements with dynamic handle lookup](#)



Reza Azimi, Angelos Bilas

June 2003 **Proceedings of the 17th annual international conference on Supercomputing**

Publisher: ACM Press

Full text available: pdf(289.75 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)